Heitor Gouvêa

Independent Security Consultant

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SUMMARY

I have been working on projects that help people, organizations and companies take control of their own informations. My work is focused on understanding threat models, analyzing existing applications and building intelligent tools to combat risk current and future security for both individuals or groups.

I have audited high profile websites for security vulnerabilities and have managed and worked in teams of software developers and computer scientists delivering high security architectures. I like information security and software development, particularly in the areas of secure protocols and architecture.

I have experience developing in a wide array of programming languages including: Shell Script, JavaScript, Perl and Mojo Framework and have knowledge of telecommunication and internet protocols including, but not limited to: TCP/IP, UDP, HTTP, FTP, SSH, SMTP and Telnet.

The largest project I work on is Nipe: a tool to make Tor Network your default gateway. Nipe enables you to directly route all your traffic from your computer to the Tor Network through which you can surf the Internet Anonymously without having to worry about being tracked or traced back. I am very interested in offensive security and I have contributed to Metasploit framework, an information security project for the purpose of analyzing security vulnerabilities and facilitating penetration testing.

In the past I won some prizes, for example: first place in the CTF of Bsides São Paulo 16th, the qualification of Hackaflag in 2019 and first place in Hackathon of the city of Campinas in 2017. Also, I talked in some places, such as: DevParaná Conference, Roadsec, Hacktown, BXSec Conference;

On my profile on Github you can see some of my codes written during my researches:
https://github.com/GouveaHeitor

EXPERIENCE

Independent Security Consultant
11/2017 - PRESENT

heitorgouvea.me

I worked both independently and as part of research teams to explore cyber security vulnerabilities and to develop comprehensive strategies to mitigate risk. I have experience has a hands-on engineer, researcher, and security architect, already worked with some incredible companies like: Horizon Four, Shawee, Github, Cabify, OGASEC, Deloitte, xLabs Security and others not-so-famous but equally incredible companies.

Information Security Analyst
11/2017 - 04/2018

Horizon Four

I acted providing consulting in the field of information security offensive to institutions, private companies and governmental organizations. My work was focused on writing business proposal models, confidentiality and reports, and understanding threat models, analyzing existing applications and building intelligent tools to combat current and future security risk for both individuals or groups

Information Technology Trainee
04/2016 - 11/2017

IMA - Computer Associates Municipalities S/A

I participated in the trainee program in order to be trained and prepared to assume strategic positions in the future. During the trainee process I worked directly with clients understanding their problems and later proposing some solutions, developing, performing vulnerability analyzes and maintaining Government Systems that used technologies like: PHP 7, Symfony Framework, JavaScript, CoffeeScript, Doctrine, MySQL, Twig, Ruby On Rails and others technologies.

TECHNICAL SKILLS

Network: TCP/IP, UDP, HTTP, FTP, SSH, SMTP and Telnet

Architecture: Scalability, Distributed system, Decentralized systems, High architecture, Parallel computing and Design patterns

Front-end: HTML5, CSS3, MaterializeCSS, Sass, JavaScript and AngularJS

Back-end: Shell Script, Perl and Mojo Framework

Database: MongoDB, MySQL and PostgreSQL

Tools: Bower, Git, Jekyll, Grunt, NPM and Docker

Application Security: Hardening, Cryptography, Vulnerability analysis, Penetration testing, Secure code review and Red Team Strategies

Agile Methods: Scrum and Extreme Programming

Others: Web performance, SEO, Responsive Design, Cross-browser, Object-oriented programming, Flow based programming, UML, Progressive Web Apps and Linux Administration

LANGUAGES

Portuguese: native proficiency

English: limited working proficiency